

INCH-POUND

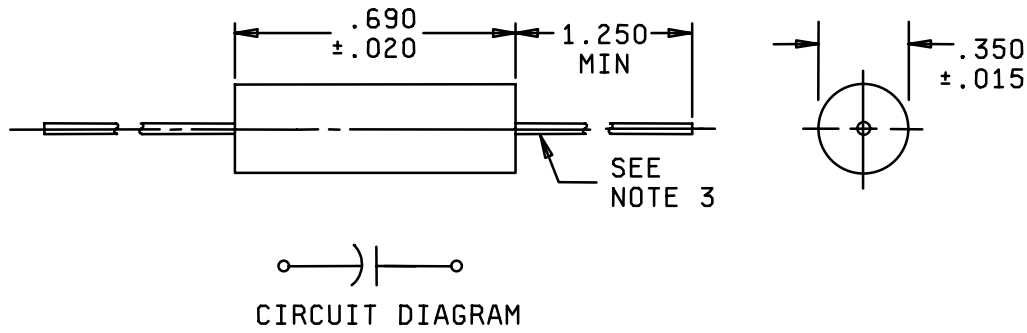
MIL-PRF-20/31B
21 June 2001
SUPERSEDING
MIL-PRF-20/31A
26 August 1976

PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC
(TEMPERATURE COMPENSATING),
ESTABLISHED AND NON-ESTABLISHED RELIABILITY,
STYLES CCR79 AND CC79

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the capacitors described herein shall
consist of this specification and the latest issue of MIL-PRF-20.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Lead diameter shall be .015 (0.38 mm) to .027 (0.69 mm).
4. Lead length may be a minimum of 1.00 inch (25.4 mm) long for use in tape and reel packaging, when specified in the ordering data.

Inches	mm
.015	0.38
.020	0.51
.027	0.69
.350	8.89
.690	17.53
1.250	31.75

FIGURE 1. Styles CCR79 and CC79 capacitors.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Lead type: Axial.

Case type: Tubular, molded.

DC rated voltage: See table I.

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Operating temperature range: -55°C to +125°C.

Characteristic: CG.

TABLE I. Capacitor characteristics.

Type designation 1/	Rated voltage (volts, dc)	Nominal capacitance (pF)	Capacitance tolerance	Type designation 1/	Rated voltage (volts, dc)	Nominal capacitance (pF)	Capacitance tolerance
CC-79CG392--	200	3,900	FGJK	CC-79CG223--	100	22,000	FGJK
CC-79CG472--	200	4,700	FGJK	CC-79CG273--	100	27,000	FGJK
CC-79CG562--	200	5,600	FGJK	CC-79CG333--	100	33,000	FGJK
CC-79CG682--	200	6,800	FGJK	CC-79CG393--	100	39,000	FGJK
CC-79CG822--	200	8,200	FGJK	CC-79CG473--	50	47,000	FGJK
CC-79CG103--	200	10,000	FGJK	CC-79CG563--	50	56,000	FGJK
CC-79CG153--	100	15,000	FGJK	CC-79CG683--	50	68,000	FGJK
CC-79CG183--	100	18,000	FGJK	CC-79CG823--	50	82,000	FGJK

1/ Complete type designation will include the following:

1st dash - Symbol "R" (for style CCR79) or dash will be deleted (for style CC79).

2nd dash - Applicable capacitance tolerance symbol.

3rd dash - Applicable failure rate level symbol (CCR79 only) or dash will be deleted (for style CC79).

Failure rate level (CCR79 only): M (1.0 percent), P (0.1 percent), R (0.01 percent) or S (0.001 percent).

Failure rate level (CCR79 only): M (1.0 percent) or P (0.1 percent).

Thermal shock and voltage conditioning (CCR79 only): In accordance with MIL-PRF-20.

Capacitance: Within tolerance specified (see table I).

Dissipation factor: In accordance with MIL-PRF-20.

Dielectric withstanding voltage: In accordance with MIL-PRF-20.

Body insulation: Test II.

Solderability: In accordance with MIL-PRF-20.

Resistance to soldering heat: In accordance with MIL-PRF-20.

Life: In accordance with MIL-PRF-20, operating condition 2.

Marking: In accordance with MIL-PRF-20, Method I.

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:

DLA - CC

(Project 5910-2116-05)

Review activities:

Navy - AS, MC, OS, SH
Air Force - 99